SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-RAB3A antibody

**Catalog Number: SL6179R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | RAB3A |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human RAB3A: 121-220/220 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000<br>IHC-P=1:100-500<br>IHC-F=1:100-500<br>IF=1:100-500<br>ELISA=1:5000-10000 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Zebrafish<br>(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit) |
| **Predicted MW.:** | 25kDa |
| **Subcellular Location:** | The cell membrane |
| **Background:** | RAB3A (RAB3A, Member RAS Oncogene Family) is a Protein Coding gene. Diseases associated with RAB3A include Growth Hormone Deficiency, Isolated, Type Ii. Among its related pathways are Innate Immune System and Neurotransmitter Release Cycle. GO annotations related to this gene include GTP binding and protein C-terminus binding. An important paralog of this gene is RAB3C.<br>**Function:** Involved in exocytosis by regulating a late step in synaptic vesicle fusion. Could play a role in neurotransmitter release by regulating membrane flow in the nerve terminal.<br>**Subunit:** Heterodimer with RIMS2. Part of a ternary complex involving |

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| | PCLO and EPAC2. Interacts with RPH3A and RPH3AL. Interacts with the exocyst complex through SEC15. Binds SYTL4 and RIMS1. Interacts with RAB3IP. Interacts with SGSM1 and SGSM3 (By similarity).<br>**Subcellular Location:** Cell membrane; Lipid-anchor; Cytoplasmic side (Potential).<br>**Tissue Specificity:** Specifically expressed in brain.<br>**Similarity:** Belongs to the small GTPase superfamily. Rab family.<br>**Database links:**<br>**Entrez Gene:** 5864 Human<br>**Entrez Gene:** 19339 Mouse<br>**Entrez Gene:** 25531 Rat<br>Omim: 179490 Human<br>**SwissProt:** P20336 Human<br>**SwissProt:** P63011 Mouse<br>**SwissProt:** P63012 Rat<br>**Unigene:** 27744 Human<br>**Unigene:** 5083 Mouse<br>**Unigene:** 44409 Rat |

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